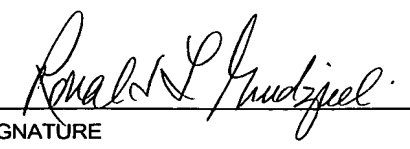| Substitute for Form PTO-1390	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371

ATTORNEY'S DOCKET NUMBER
028443-070

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)
10/529777

INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
PCT/FI2003/000683	19 September 2003 (19.09.2003)	30 September 2002 (30.09.2002)

TITLE OF INVENTION

PHOTOACOUSTIC DETECTOR

APPLICANT(S) FOR DO/EO/US

KAUPPINEN, Jyrki

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission to items concerning a filing under 35 U.S.C. 371.

2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.

3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (22) indicated below.

4. ☐ The US has been elected by the expiration of 19 months from the priority date (Article 31).

5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))

    a. ☒ is attached hereto (required only if not communicated by the International Bureau).

    b. ☐ has been communicated by the International Bureau.

    c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).

6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))

    a. ☐ is attached hereto.

    b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).

7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))

    a. ☐ are attached hereto (required only if not communicated by the International Bureau).

    b. ☐ have been communicated by the International Bureau.

    c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.

    d. ☒ have not been made and will not be made.

8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).

9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).

10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 21 below concern document(s) or information included:

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.

12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.

13. ☒ A FIRST preliminary amendment.

14. ☐ A SECOND or SUBSEQUENT preliminary amendment.

15. ☐ A substitute specification.

16. ☐ A change of power of attorney and/or address letter.

17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 C.F.R. 1.821 - 1.825.

18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).

19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

20. ☒ Other items or information: _General Authorization For Petitions For Extensions of Time and Payment of Fees; and Application Data Sheet._

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)	INTERNATIONAL APPLICATION NO. PCT/FI2003/000683	ATTORNEY'S DOCKET NUMBER 028443-070

10/529777

21. ☒ Applicant(s) requests that the published application include the following assignment information: NOVELTECH SOLUTIONS LTD., Turku, Finland

CALCULATIONS PTO USE ONLY

22. ☒ The following fees are submitted:

Basic Filing Fee (1631)				$ 300.00	

Surcharge of **$130.00 (1617)** for furnishing the oath or declaration later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492(e)).

CLAIMS	NUMBER FILED		NUMBER EXTRA	RATE	$	
Total Claims	20	-20 =	0	X $50.00 (1615)	$ 0.00	
Independent Claims	3	- 3 =	0	X $200.00 (1614)	$ 0.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ $360.00 (1616)	$ 0.00	
Examination Fee				+ $200.00 (1633)	$ 200.00	
Search Fee				+ $500.00 (1632)	$ 500.00	
App. Size Fee (add $250.00 for each add'l 50 sheets exceeding 100 sheets)					$ 0.00	
			TOTAL OF ABOVE CALCULATIONS =		$ 1,000.00	

☒ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.	+	$ 500.00	
	SUBTOTAL =	$ 500.00	

Processing fee of **$130.00 (1618)** for furnishing the English translation later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492(f)).

		$ 0.00	
	TOTAL NATIONAL FEE =	$ 500.00	

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). **$40.00 (8021)** per property +

	TOTAL FEES ENCLOSED =	$ 500.00	
		Amount to be refunded :	

a. ☐ A check in the amount of _____ to cover the above fees is enclosed. charged :

b. ☐ Please charge my Deposit Account No. __02-4800__ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. __02-4800__. A duplicate copy of this sheet is enclosed.

d. ☒ Charge __$ 500.00__ to credit card. Form PTO-2038 is attached.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Burns, Doane, Swecker & Mathis, L.L.P.
P.O. Box 1404
Alexandria, Virginia 22313-1404
(703) 836-6620

SIGNATURE

Ronald L. Grudziecki

NAME

24,970	March 30, 2005
REGISTRATION NO.	DATE